

## **The University of Maryland's Graduate Nuclear Engineering Ph.D. Fellowship Program**

### **Executive Summary:**

The University of Maryland aims to enhance the fellowship opportunities for its top tier Ph.D. candidates. The program is requesting funds for two students over four years. Additional support for fellowship students will be provided by a monetary contribution from Areva, as well as contribution for the Principal Investigator's efforts, which will be provided by the University. A highly competitive selection process identifies candidates with superior academic credentials and who are committed to entering the nuclear industry. Ph.D. fellowship recipients will be evaluated on research and academic performance, adherence to the fellowship program's objectives and ability to meet the program milestones, as well as their commitment to the development and growth of the nuclear sector. The success of our fellowship program will be gauged by a comprehensive evaluation plan that measures the ability of the fellowship program to continue to recruit new potential candidates, prepare students for professional nuclear careers, and ensure that students acquire and retain such nuclear-related careers. Semi-annual progress reports will be sent to the NRC detailing student progress as well as the fellowship program's success in achieving its goals. Radiation facilities at the University of Maryland include a 250kW research reactor, a large 125kCi cobalt-60 gamma source, and two linear accelerator electron beams; these facilities permit a diverse range of research, including many projects of interest to the NRC.

**Principal Investigator:** Mohamad Al-Sheikhly, [Mohamad@umd.edu](mailto:Mohamad@umd.edu)